Subject: Devnodes question
Posted by n00b_admin on Thu, 15 Jan 2009 22:56:01 GMT
View Forum Message <> Reply to Message

Hello,

I use the latest OpenVZ tools on a 2.6.24-ovz006 kernel with Gentoo.

I'm trying to setup a shared disk storage solution between two or more CT's.

This is not for production purposes, the performance is not paramount... yet

My shared disk approach is performed using a file in which i created a filesystem. This file is mapped as a loopback block device in /dev/loop0.

I am able to mount the filesystem inside the CT's but as soon as the last of the two testing CT's is stopped the loop block device is also released.

Is there a way to stop vzctl from deleting the loopback block device from my HN ?

Thank you in advance for your assistance.

Subject: Re: Devnodes question
Posted by n00b_admin on Thu, 15 Jan 2009 23:54:21 GMT
View Forum Message <> Reply to Message

After some poking around here's more info regarding the problem i encounter:

On the HN i perform something like this:

losetup /dev/loop0 /root/disk

After creating the block device file i issue:

losetup -a

Which outputs:

/dev/loop/0: [0803]:12271800 (/root/disk)

I configure the first VE like this:

vzctl set 201 --devnodes loop0:rw --save

Do the same to the second VE:

vzctl set 202 --devnodes loop0:rw --save

Start both VE's and mount the /dev/loop0 as /mnt/disk2 inside the VE's.

Everything works perfect at this point.

Then i stop VE 202 and issue "losetup -a" on the HN which has the same output as before.

After i stop the other VE, "losetup -a" does not output anything signaling that the block device file has been detached.

I repeated this operation with the "DEVNODES" option set to read-only but the same behavior is encountered which leads me to believe it is an operation performed automatically by VZCTL, perhaps, but i was not able to identify how to control it.

Subject: Re: Devnodes question
Posted by n00b_admin on Sun, 18 Jan 2009 19:43:04 GMT
View Forum Message <> Reply to Message

Help ? Anyone ?

Subject: Re: Devnodes question
Posted by piavlo on Mon, 19 Jan 2009 11:43:37 GMT
View Forum Message <> Reply to Message

Something in dmesg regarding loop device while/after you shutdown the VEs?

My guess is that gentoo openrc shutdown scripts inside VE remove all loop devices (losetup -d ...). Then first VE shutdowns it cannot delete
/dev/loop0 since it is still mounted by second VE and then the second VE shuts down it has no problem removing /dev/loop0

You can try to contact Roy Marples - the author of openrc
and ask him at http://roy.marples.name/
